CLAIMS

What is claimed is:

1. An online user interactive method for predicting a response of structures, such as sandwich composite structures and single skin composite components, said method comprising the steps of:

(a) selecting a parameter of a sandwich composite structure or single skin component for calculation;

(b) inputting values required for performing the calculation of the parameter;

(c) calculating a response for the parameter based on one or more stored formulas and the values inputted; and

(d) displaying the response.

2. The online user interactive method of claim 1 for including the step of selecting a measurement system for the parameter.

3. The online user interactive method of claim 1 further including the step of receiving information regarding the parameter prior to the step of inputting values.

4. The online user interactive method of claim 1 wherein step (d) comprises the step of displaying the response in a floating frame appearing on top of at least a portion of a website page appearing on a screen of the user.

5. The online user interactive method of claim 4 further including the displaying information regarding the response on the website page.

6. An online user interactive website for predicting responses of structures, such as sandwich composite structures and single skin composite components, said online user interactive website comprising:

means for allowing a user to select a parameter for calculating a response;

means for allowing the user to input values needed for performing the calculation of the parameter;

means for calculating a response for the parameter based on one or more stored formulas and the values inputted by the user; and

means for displaying the response.

7. The online user interactive website of claim 6 wherein the formulas are stored on a server remotely located from the user.

8. The online user interactive website of claim 6 wherein said means for allowing a user to select a parameter includes a website page appearing on a computer screen of the user which provides a list of parameters.

9. The online user interactive website of claim 6 wherein said means for allowing the user to input includes a floating frame disposed on top of at least a portion of a page of the website appearing on the user's screen.

10. The online user interactive website of claim 9 wherein the page is an eSOLUTIONS page.

11. The online user interactive website of claim 10 wherein said eSOLUTIONS page contains text regarding the parameter.

12. The online user interactive website of claim 10 wherein said eSOLUTIONS page contains one or more drawings regarding the parameter.

13. The online user interactive website of claim 10 wherein said eSOLUTIONS page contains text and one or more drawings regarding the parameter.

14. The online user interactive website of claim 6 further including streaming audio and streaming video regarding the parameter.

15. The online user interactive website of claim 6 further including an eSOLUTIONS page containing information regarding the parameter.

16. The online user interactive website of claim 15 wherein said eSOLUTIONS page, inputted values and displayed response appear on the same page appearing on a screen of the user.

17. The online user interactive website of claim 15 wherein said eSOLUTIONS page, inputted values and displayed response appear on a screen of the user such that they can be viewed all at the same time.

18. An online user interactive website for predicting responses of structures, such as sandwich composite structures and single skin composite components, said online user interactive website comprising:

means for allowing a user to select an input parameter for calculating a response;

an eSOLUTIONS page containing information regarding the parameter;

means for allowing the user to input values needed for performing the calculation of the input parameter, said means for allowing the user to input includes a floating frame disposed on top of at least a portion of said eSOLUTIONS page; and

means for calculating a response for the parameter based on one or more stored formulas and the values inputted by the user, said calculated response displayed within a second floating frame disposed on top of at least a portion of said eSOLUTIONS page.

19. The online user interactive website of claim 18 wherein the formulas are stored on a server remotely located from the user.

20. The online user interactive website of claim 18 further including streaming audio and streaming video regarding the parameter.